

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0065], beginning on page 16, line 21 as follows

FIG. 26 shows the result of kinetic analysis for the binding characteristics of LPA to p2y9, using the cell derived membrane fractions transiently expressing p2y9 receptors obtained from RH7777 cell transfected with p2y9 of the present invention. FIG. 26 shows the result of the membrane fractions derived from the cells where p2y9s p2y9 were introduced. The horizontal axis in FIG. 26 shows the concentration of tritium labeled LPA (nM), whereas the vertical axis shows the detected radiation (dpm). The closed square (■) represents the total bindings, closed diamond (◆) represents the non-specific bindings and open circle (○) represents the specific bindings.

Please amend paragraph [0095], beginning on page 26, line 16 as follows

The results are shown in FIGS. 19 to 21, and FIGS. 22 to 24. FIGS. 19 to 21 show the results with RH7777 cells, whereas FIGS. 22 to 24 show the results with B103 cells. FIGS. 19 to 21 show the results with negative controls, whereas FIGS. 19 and 22 show the results with negative controls, FIGS. 20 and 23 show the results with p2y5s p2y5, FIGS. 21 and 24 show the results with p2y9s p2y9 respectively. The horizontal axis in each graph shows the added tritium labeled LPA (nM), whereas the vertical axis shows the detected radiation (dpm). The diagonally lined bar in the graph represents total bindings, the white (open) bar on the right represents nonspecific bindings and the closed triangle (▲) represents the specific bindings obtained by subtracting the nonspecific bindings from the total bindings.

Please amend paragraph [0096], beginning on page 27, line 4 as follows

As a result, it was found that p2y9s p2y9 expressed in any cells specifically bind to LPA.

Please amend paragraph [0110], beginning on page 30, line 16 as follows

The results are shown in FIG. 29. The horizontal axis in FIG. 29 shows the concentration of LPA (nM to μ M), whereas the vertical axis shows the ratios. The closed square (■) represents PC-12 cells transfected with p2y9s p2y9 and the closed diamond (◆) represents a negative control.

Please amend paragraph [0117], beginning on page 33, line 1 as follows

p2y9 being a receptor of LPA, p2y9 of the present invention can be used to screen various physiological activities stimulated or inhibited by LPA. The method of screening of the present invention can be performed by letting p2y9s p2y9 expressed in the cell, or using the cell or membrane already having p2y9s p2y9 therein. The screening method of the present invention are not limited to any particular ones as described above, but include the methods to screen the substances having activities with LPA by using p2y9 as a receptor of LPA.